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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	0.000	9.488	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
CF1: CFT Advanced Development & Prototyping	-	0.000	9.488	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

This program was a FY 2019 new start. FY 2020 and out funding supporting CFT Network efforts has been realigned to 0604541A Unified Network Transport.

A. Mission Description and Budget Item Justification

This Program Element (PE) funds experimental prototyping and technical demonstrations of selected technologies conducted by Cross-Functional Teams (CFT) in order to inform and refine the development of initial capability documents in support of Long Range Precision Fires (LRPF), Next Generation Combat Vehicle (NGCV), Future Vertical Lift (FVL), Network Command, Control Communication, and Intelligence (NC3I), Assured Positioning, Navigation, and Timing (APNT), Air and Missile Defense (AMD), Soldier Lethality, and Synthetic Training Environment (STE). Funding facilitates the experimentation and demonstration of priority technologies to ensure that planned capabilities are technologically feasible, affordable, and available to Soldiers. Benefits include the narrowing of capability gaps by developing capability documents and rapidly transitioning leader-approved capability requirements to the Army Acquisition System. In project CF1, CFT will conduct pre-Materiel Solution Analysis Phase experimentation and technical demonstrations to enable capability document development and improve the decision making for potential programs of record.

This investment supports the Chief of Staff of the Army (CSA) six modernization priorities.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	0.000	38.000	174.699	-	174.699
Current President's Budget	0.000	9.488	0.000	-	0.000
Total Adjustments	0.000	-28.512	-174.699	-	-174.699
• Congressional General Reductions	-	-0.012			
• Congressional Directed Reductions	-	-28.500			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-174.699	-	-174.699

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<u>Change Summary Explanation</u> The decrease between the previous President's Budget and the Current President's Budget reflects a restructure of CFT funding.		

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Appropriation/Budget Activity 2040 / 4					R-1 Program Element (Number/Name) PE 0604020A / Cross Functional Team (CFT) Advanced Development & Prototyping				Project (Number/Name) CF1 / CFT Advanced Development & Prototyping			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
CF1: CFT Advanced Development & Prototyping	-	0.000	9.488	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project is a new start in FY19.

A. Mission Description and Budget Item Justification

This project funds pre-Materiel Solution Analysis Phase experimentation and technical demonstrations conducted by the eight Cross-Functional Teams (CFT) to inform and refine the development of Initial Capability Documents (ICD) to support Materiel Development Decision (MDD) in the areas of Long Range Precision Fires (LRPF), Next Generation Combat Vehicle (NGCV), Future Vertical Lift (FVL), Network Command, Control Communication, and Intelligence (NC3I), Assured Positioning, Navigation, and Timing (APNT), Air and Missile Defense (AMD), Soldier Lethality, and Synthetic Training Environment (STE). CFT advanced development and prototyping efforts will narrow an existing capability gap by informing capability document development and rapidly transition leader-approved capability requirements to the Army Acquisition System. This will allow for faster development of capabilities and ensure planned capabilities are technologically feasible, affordable, and available to the Soldier.

This investment support the Chief of Staff of the Army (CSA) six modernization priorities

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2018	FY 2019	FY 2020
Title: CFT Experimental prototyping and technology Demonstration	-	8.225	-
Description: Cross-Functional Teams (CFT) conduct experimental prototyping and technical demonstrations) in order to inform and refine the development of initial capability documents in support of Long Range Precision Fires (LRPF), Next Generation Combat Vehicle (NGCV), Future Vertical Lift (FVL), Network Command, Control Communication, and Intelligence (NC3I), Assured Positioning, Navigation, and Timing (APNT), Air and Missile Defense (AMD), Soldier Lethality, and Synthetic Training Environment (STE).			
FY 2019 Plans: Will conduct experimental prototyping and technical demonstrations to enable the development of Initial Capability Document (ICD) development in support of Enhanced Night Vision Goggles, Enhanced Defense Advanced Global Positioning System			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019
Receiver (DAGR) Distribution Device, and network and user assessments of Command Post (CP) Mobility and Survivability capabilities.			
FY 2019 to FY 2020 Increase/Decrease Statement: Decrease is due to realignment of funding to 0604541A Unified Network Transport.			
Title: FY19 SBIR STTR		-	1.263
FY 2019 Plans: n/a- tax			-
FY 2019 to FY 2020 Increase/Decrease Statement: SBIR STTR Tax now accounted for			
Accomplishments/Planned Programs Subtotals		-	9.488
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks Transition of technologies are aligned with multiple RDT&E or Procurement lines, to include but not limited to: OPA: Signal Modernization B00010; Net Warrior R80501; Tactical Network Radio System Handheld B95006; Manpack B95007; COTS Tactical Radio B98105. RDT&E: Command Post Computing Environment 654818323			
D. Acquisition Strategy Activities will be conducted both in-house and through multiple competitively-awarded contracts using best value source selection procedures.			
E. Performance Metrics N/A			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019		
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Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost To Complete	Total Cost	Target Value of Contract
CFT Experimental Prototyping and technology demonstrations	TBD	Various : various	-	-		8.225		-		-		-		0.000	8.225	-
SBIR SITTR	TBD	SBIR STTR : n/a	-	-		1.263		-		-		-		0.000	1.263	-
Subtotal			-	-		9.488		-		-		-		0.000	9.488	N/A

	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	9.488	-	-	-	0.000	9.488	N/A

Remarks
Contracting will be conducted through Other Transactional Agreements or through FAR Part 12 Commercial Acquisition.

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army			Date: March 2019		
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Event Name	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cross Functional Teams																												
Analysis of Technical Solutions																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army			Date: March 2019
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Cross Functional Teams	3	2019	1	2021
Analysis of Technical Solutions	3	2019	4	2019